







Performance and Trends - November 2016

## **November Updates**

Events that impacted traffic in November:

<u>Weather</u>: No significant weather events in November. All precipitation was rain, and rain occurred on November 2, 8, 18, 22, 23, 25, 28 and 30, totaling 1.79 inches for the month.

<u>TIA Incident</u>: On November 2 an incident on I-94 WB at Curtis Rd closed the two right lanes from 5:25am to 6:42am and affected the I-94 WB AM travel time (See page 2).

<u>Construction Closure</u>: The I-94 EB lane closure from Sunnyslope Rd to WIS 100 that started on March 12 continued to affect I-94 EB travel times in the AM and PM until November 22 when the closure opened (See page 1).

The opening of the I-41 NB right lane from National Ave to Greenfield Ave the morning of November 1st improved travel times and speeds for the WIS 100 NB and I-41 NB corridors from Beloit Rd to I-94 (October to November). For WIS 100 NB the percentage of speeds under 20mph during peak travel times went from 16% to 0%. For I-41 NB the percentage of speeds under 45mph during peak travel times went from 95% to 14%. The average travel speed for I-41 NB went from 25mph to 48mph in the AM and from 31mph to 53mph in the PM. The average travel times for WIS 100 NB AM went from 8:57 to 8:06 minutes and for WIS 100 NB PM went from 7:42 to 7:04 minutes. The average travel times for I-41 NB AM went from 7:09 to 3:46 minutes and for I-41 NB PM went from 6:00 to 3.21 minutes (See pages 17, 18, and 19). PTI for the I-41 NB (Beloit Rd to I-94) corridor went from 3.14 in October to 1.67 in November (See page 12). Volumes increased from 53,830 to 61,655 at I-41 & Oklahoma NB from October to November (See page 19)

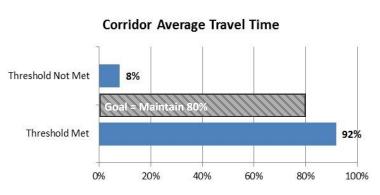
All data is two months behind the month it is reported as project data sets are not available until 3-4 weeks after the month ends.

## Mobility Summary—November

Corridor Average Travel Time measures the average travel time for a peak period against an established travel time threshold. The travel time threshold for arterial roads is 50% of the posted speed limit. The travel time threshold for freeways is the time it takes to travel the segment at 45 mph.

Three segments in November did not meet travel time thresholds:

- I-41 SB (Capitol Dr to I-94) Corridor (PM)
- I-94 EB (Barker Rd to 84th St) Corridor (AM)
- I-94 EB (Barker Rd to 84th St) Corridor (PM)

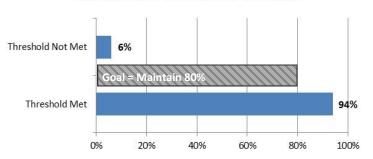


Percent Under Given Speed Threshold measures how many hours during the month peak travel times (AM and PM) speeds are slower than 50% of the posted speed limit for arterial corridors. Because of the varying speed limits on arterial roads, each corridor has a different threshold. Freeways are measured against a speed threshold of 45 mph. The percentage of speeds under the threshold should be less than 50%.

During November the I-94 EB (Barker Rd to 84th St) corridor did not meet the target with 69% of the speeds less than 45 mph.

The majority of arterial corridors were under 2%, the exceptions being Moorland Rd SB (21%), 84th St SB (8%), WIS 100 (I-94 to Beloit Rd) SB (13%), and WIS 100 (Capitol Dr to I-94) SB (10%).

#### Percent Under Given Speed Threshold





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# **Mobility Summary—November**

0%

40%

60%

## **Directional Volumes of Freeways (ADT)** The average freeway volumes for each hour of the day for the month at Burleigh Street specific corridor interchanges are used to calculate Directional Volumes of Freeways. Only weekdays (Monday to Friday; excluding holidays) are included in the volume measured. When arterial volume data becomes available the corresponding arterial corridor volumes will also be shown to compare volume trends month to month. Watertown Plank Road Bluemound Road 50.939 Greenfield Avenue 61.80 61,655 Oklahoma Avenue **Arterial PTI** Freeway PTI PTI Ratio Exceeds 1.00 PTI Ratio Exceeds 1.70 PTI = 1.00 PTI to 1.70 60% 80% 100% 20% 100%

The Planning Time Index (PTI) metric is the ratio of 95<sup>th</sup> percentile travel time to: (1) Travel time at 50% of the posted speed limit for arterial corridors, and (2) Travel time at posted speed limit (55 mph and 70 mph) for freeway corridors. This includes both AM and PM peak periods for the month. The minimum ratio is 1.00.

During November five arterial corridors exceeded the minimum PTI ratio of 1.00: 84<sup>th</sup> St NB and SB, Moorland Rd SB, WIS 100 SB (Capitol Dr to I-94), and Bluemound Rd EB. WIS 100 SB (from Capitol Dr to I-94) congestion is related to recurring congestion on I-41 SB for this same segment in the afternoon. 84th St and Bluemound Rd are affected by the Zoo Int N-E ramp closure.

All freeway corridors exceeded the minimum PTI ratio of 1.00 in November. The four corridors that had the greatest ratio were I-41 SB (Capitol Dr to I-94), I-94 WB & EB from Stadium to Zoo, and I-94 EB (Barker Rd to 84 St). See page 12 for all PTI ratios.



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# **November Events**

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
	I	2	3	4
	■ By 5:00am: I-41/894 NB right lane long-term closure reopened (restored to 3 lanes). Zoo Int S-E system ramp decision point shifted to Greenfield Ave. Zoo Int S-W system ramp switched to a right-hand exit.  ■ By 5:00am: WIS 100 entrance ramp to I-43 NB and National Ave entrance ramp to I-41/894 NB long-term closure reopened  ■ By 5:30am: Greenfield Ave entrance ramp to I-41/894 NB (only able to go to Zoo Int S-E system ramp/I-94 EB) long-term closure reopened  ■ 3:00pm-4:05pm: Bluemound Rd EB at Bishop Way (right lane closed) and Bluemound Rd WB at EIm Grove Rd (left lane closed)  ■ 6:23pm-6:37pm: I-94 WB at 84th St (lanes affected unknown)	■ Rain (5:00am to 10:00pm, 0.52 inches, T-Storm) ■ 5:25am-6:42am: I-94 WB at Curtis (two right lane closed) ■ 7:34am-7:53am: I-94 EB at Moorland Rd (lanes affected unknown) ■ 11:50am-12:55pm: Zoo Int E-W system ramp (right lane closed)	■ 6:54pm-8:42pm: I-94 EB at 84th St (lanes affected unknown) ■ By 3:00pm: Watertown Plank Rd EB entrance ramp to I-41 NB/SB (opened to two lanes) ■ By 3:00pm: Watertown Plank Rd WB entrance ramp to I-41 NB/SB (opened to two lanes)	Overnight: I-41/894 SB between the core and Greenfield Ave and Zoo Int W-S system ramp (traffic switch)
7	8	9	10	П
■ By Sun (11/6) 2:00am: Daylight saving time 2016 ended ■ 5:44am-6:32am: I-41 NB at North Ave entrance ramp (lanes affected unknown) ■ 7:39am-8:22am: I-94 WB at Hawley Rd (lanes affected unknown)	■ US Election Day ■ Rain (7:00am to 8:00am, Trace) ■ 2:55pm-3:15pm: i-94 EB at Curtis Rd (right lane closed) ■ 5:29pm-6:49pm: i-94 EB at Milwaukee/Waukesha Co Line (left lane closed)	Overnight: I-94 EB off ramp to WIS 100 switch (decision point shifted to the west, at Elm Grove Rd)	■ Overnight: I-41/894 SB between at Cleveland Ave (traffic switch) ■ 9:26am-10:07am: Zoo Int W-E system ramp (lanes affected unknown)	■ By 5:30am: North Ave entrance ramp to I-41 NB (long-term lane closure reopened) ■ By 6:00am: Curtis Rd NB/SB at I-94 (reopened to two lanes each direction) ■ Overnight: I-41/894 SB between Greenfield Ave and National Ave (traffic switch) ■ 5:21am-6:24am: I-41 SB at Lincoln Ave (lanes affected unknown)
14	15	16	17	18
	■ 3:41pm-5:18pm: I-94 EB at WIS 100 (two left lanes closed) ■ 5:40pm-7:33pm: I-94 EB at WIS 100 (right lane closed)	■ 1:45pm-2:36pm: I-41 NB at off ramp to Watertown Plank Rd (lanes affected unknown)	■ 8:30am-8:45am: Zoo Int W-E system ramp (lanes affected unknown) ■ 1:31pm-2:26pm: I-94 WB at 84th St (lanes affected unknown) ■ Overnight: I-41 NB off ramp to Watertown Plank Rd (traffic switch)	■ Deer Hunting Season started on Sat (11/19) ■ Rain (11:00pm to Midnight, Trace) ■ 5:55pm-7:33pm: I-94 EB at WIS 100 (right lane closed)
21	22	23	24	25
■ 10:29am-11:31am: I-41 NB at Bluemound Rd (left lane closed)	■ Rain (11:00pm to Midnight, Trace) ■ By 5:00am: I-94 EB right lane long-term closure reopened (restored to three lanes). Zoo Int W-S system ramp decision point shifted to the west (by WIS 100). WIS 100 entrance ramp to I-94 EB (ramp closed); this ramp only can go to Zoo Int W-S system ramp (I-41/894 SB).	■ Rain (Midnight to 8:00pm, 0.19 inches) ■ 6:45pm-7:25pm: I-94 EB at WIS 100 (lanes affected unknown)	■ Thanksgiving	■ Black Friday ■ Rain (Midnight to 2:00am, Trace) ■ 12:17pm-1:34pm: Zoo Int W-E system ramp (left lane closed)
28	29	30		
■ Rain (All Day and Night, 1.08 inches) ■ 5:53pm-6:03pm: I-94 EB at WIS		■ Rain (3:00pm to Midnight, Trace)		
100 (lanes affected unknown)		endar is an incident on I-9 <sup>,</sup> Iso a thunderstorm during	4 WB at Curtis Rd on Noven this time period.	nber 2 affected the AM



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# Network Health Summary—November

	Previous Month	Current Month	Target	Target Met
DEVICE FAILURE IMPACT				
	1-High	6.44 !!	_	
CCTV	6-Medium	6-Medium	<5	
DMS	1-Low	1-Low	<5	✓
	1-High			
Ramp Meter	3-Medium	3-Medium	<5	•
Bluetooth	1-High	0*	<5	✓
Signal	0	0	<5	✓
MAJOR COMMUNICATION FAILURE IMPACT	None for October	None for November		
DEVICE COMMUNICATION AVAILABILITY				
ССТУ	90%	92%	90%	✓
DMS	96%	95%	90%	<b>√</b>
Bluetooth	96%	100%	90%	✓
Signal	100%	94%	90%	✓

<sup>\*</sup> The Bluetooth sensor at Bluemound Rd & Executive Drive (WDS-0088) was out starting November 17. A maintenance ticket was not issued in November.



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## **November Construction Events**

#### LONG TERM CLOSURES

Full Closure: Bluemound Rd Entrance Ramp to I-41 NB (Closed until late December 2016)

Full Closure: I-41 NB Exit Ramp to Bluemound Rd (Closed until late April 2018)
Full Closure: Bluemound Rd Entrance Ramp to I-41 SB (Closed until late August 2017)



Full Closure: Zoo Interchange WB to SB System Ramp (Closed until late November 2017)

Full Closure: Zoo Interchange SB to EB System Ramp (Closed until late Spring 2017)

Full Closure: Zoo Interchange EB to NB System Ramp (Closed until late Spring 2017)



Lane Closure: WIS 100 Entrance Ramp to I-94 WB (TBD)

Full Closure: I-94 WB Exit Ramp to WIS 100 NB (Closed until late November 2017)

I-94 WB Exit Ramp to WIS 100 SB

From I-94 WB and I-41 NB (Closed until late November 2017)



Full Closure: Wisconsin Ave EB & WB (95th St to 97th St) (Closed until late May 2017)





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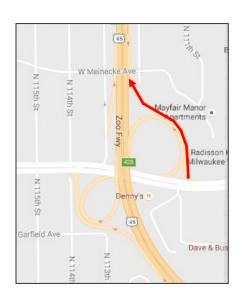
# **November Construction Events**

#### LONG TERM CLOSURES

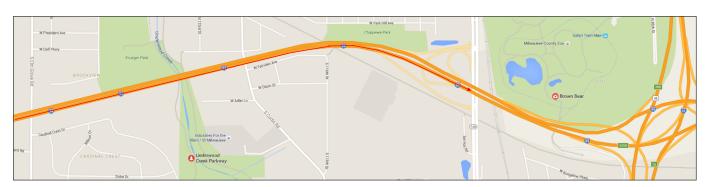
Lane Closure: Watertown Plank Rd EB Entrance Ramp to I-41 SB (No access to the Zoo SB to EB system ramp) (Closed until June 2017)



Lane Closure: North Avenue Entrance Ramp to I-41 NB (Closed until late Fall 2016)



Lane Closure: I-94 EB from Sunnyslope Rd to WIS 100 (Closed until November 22,2016)





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# **November Construction Events**

#### LONG TERM CLOSURES

Partial Closure: Greenfield Ave Entrance Ramp to I-41/894 NB (Access to I-94 EB only)
Full Closure: Lincoln Ave Entrance Ramp to I-41/894 NB (Closed until November 2016)
Full Closure: I-41 SB Entrance Ramp to Greenfield Ave (Closed until Spring 2018)





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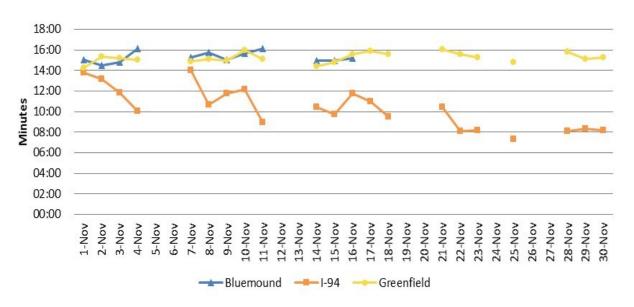




#### **CORRIDOR AVERAGE TRAVEL TIME**

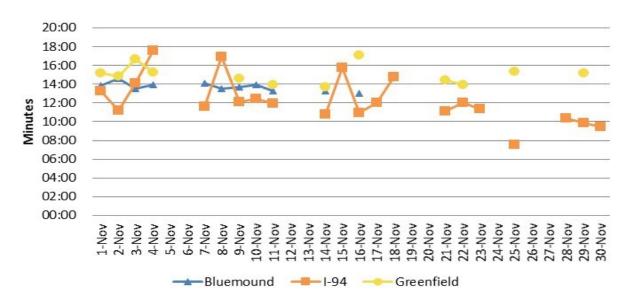
### **Barker Road to 84th Street (Eastbound)**

#### **AM**



## **Barker Road to 84th Street (Eastbound)**

#### PM



Notes: AM (6am to 9am) and PM (3pm to 6pm)

Bluemound Rd data is unavailable this month from November 17 to 30 due to a Bluetooth sensor outage.

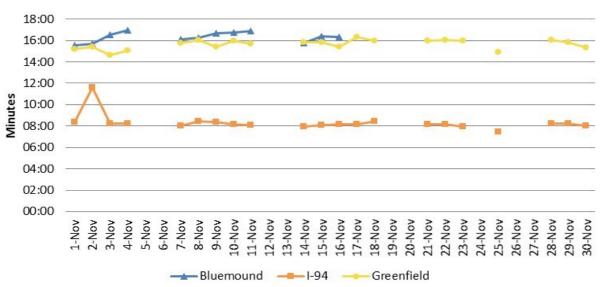




#### **CORRIDOR AVERAGE TRAVEL TIME**

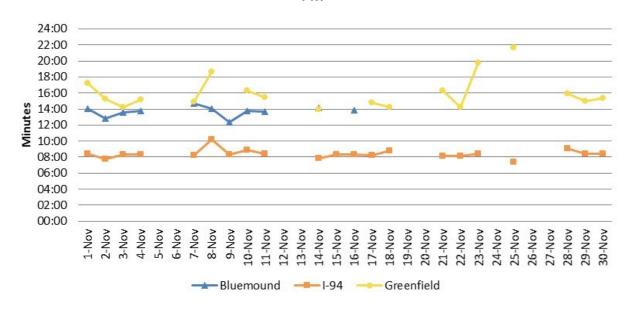
# 84th Street to Barker Road (Westbound)

AM



### 84th Street to Barker Road (Westbound)

**PM** 



Notes: AM (6am to 9am) and PM (3pm to 6pm)

Bluemound Rd data is unavailable this month from November 17 to 30 due to a Bluetooth sensor outage.

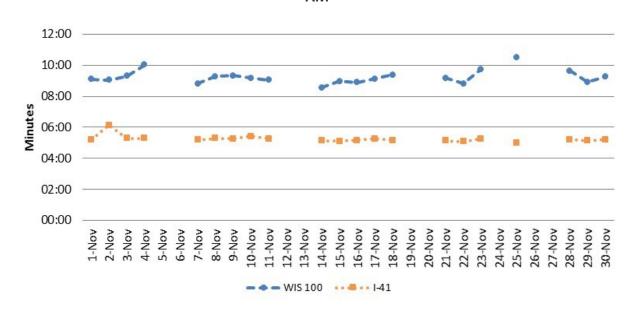




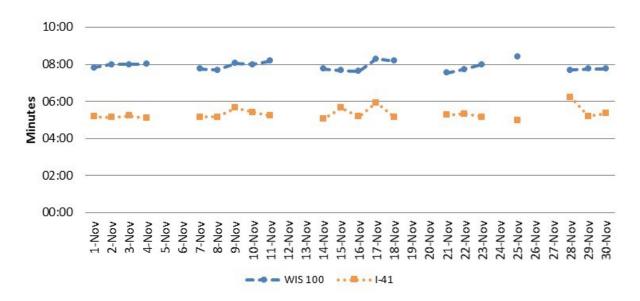
#### **CORRIDOR AVERAGE TRAVEL TIME**

NORTH LEG - I-94 to Capitol Drive (NB)

AM



NORTH LEG - I-94 to Capitol Drive (NB)
PM





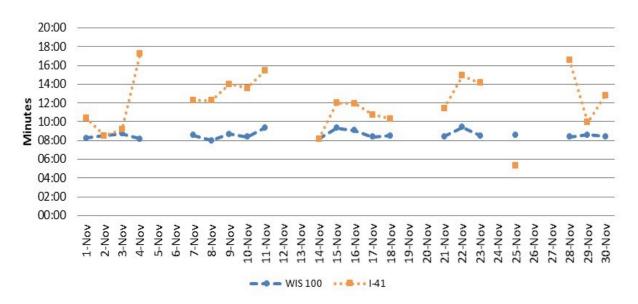
#### **CORRIDOR AVERAGE TRAVEL TIME**

NORTH LEG - Capitol Drive to I-94 (SB)

AM



NORTH LEG - Capitol Drive to I-94 (SB)
PM

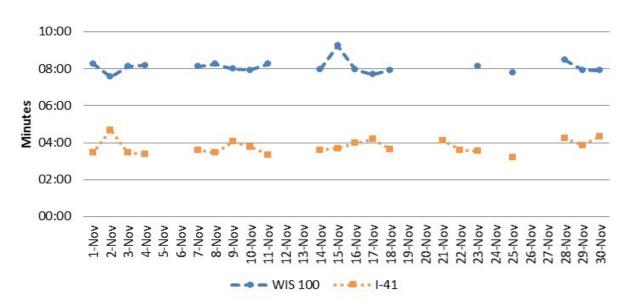




#### **CORRIDOR AVERAGE TRAVEL TIME**

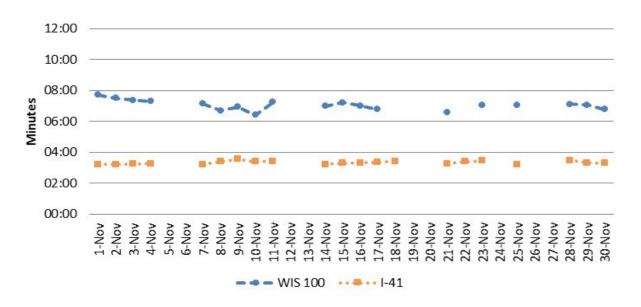
SOUTH LEG - Beloit Road to I-94 (NB)

**AM** 



SOUTH LEG - Beloit Road to I-94 (NB)

PM



Notes: AM (6am to 9am) and PM (3pm to 6pm)

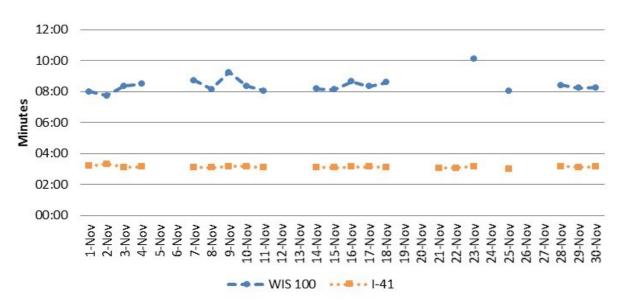
WIS 100 data is unavailable this month from October 1 to 27 due to a Bluetooth sensor outage.



#### **CORRIDOR AVERAGE TRAVEL TIME**

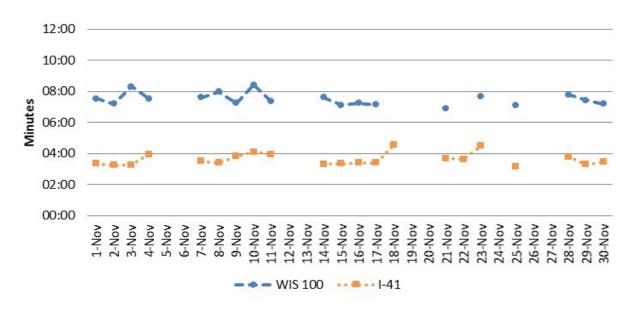
SOUTH LEG - I-94 to Beloit Road (SB)

**AM** 



SOUTH LEG - I-94 to Beloit Road (SB)

PM

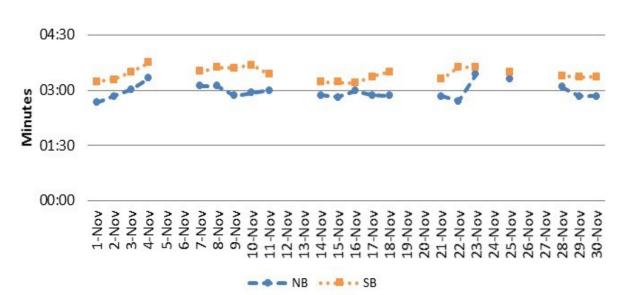




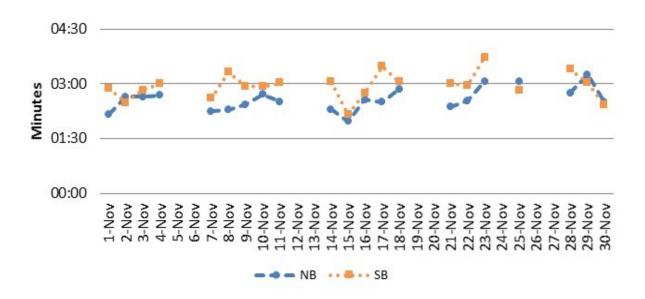


#### **CORRIDOR AVERAGE TRAVEL TIME**

# Moorland Road (NB and SB) AM



# Moorland Road (NB and SB) PM

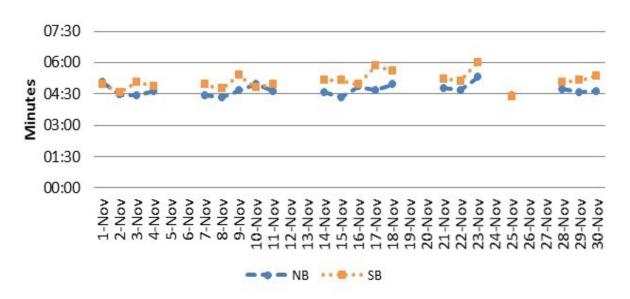




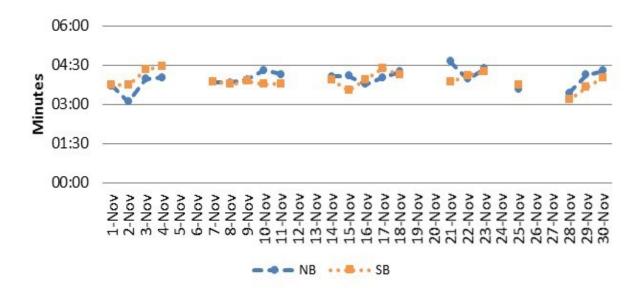


#### **CORRIDOR AVERAGE TRAVEL TIME**

# 84th Street (NB and SB) AM



# 84th Street (NB and SB) PM



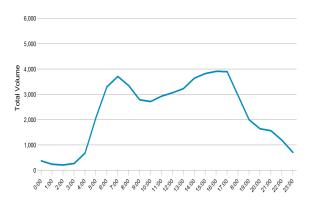


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#### **DIRECTIONAL VOLUMES—FREEWAYS**



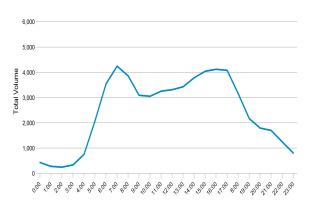
I-94 at 84th Street EB

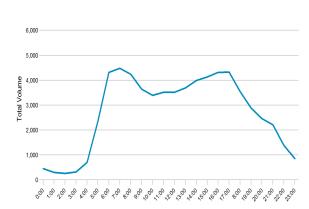


No Data Available

#### I-94 at WIS 100 WB

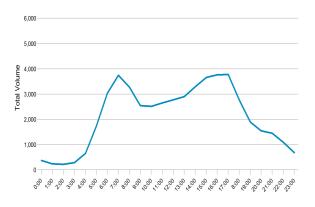
I-94 at WIS 100 EB

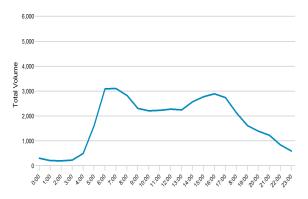




#### I-94 at Moorland Road WB

I-94 at Moorland Road EB





Notes: Volumes are an average of weekday volumes (Monday through Friday). No holidays.



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#### **DIRECTIONAL VOLUMES—FREEWAYS**

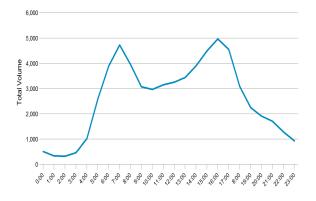
I-41 at Bluemound Road NB

I-41 at Bluemound Road SB

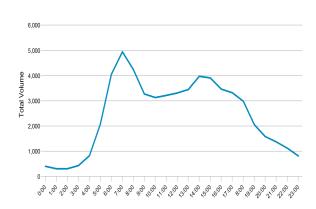
No Data Available

No Data Available

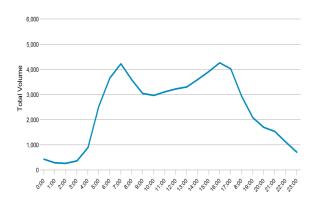
#### I-41 at Burleigh Street NB



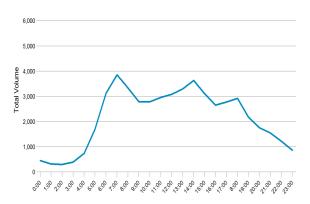
#### I-41 at Burleigh Street SB



I-41 at Watertown Plank Road NB



I-41 at Watertown Plank Road SB



Notes: Volumes are an average of weekday volumes (Monday through Friday). No holidays.



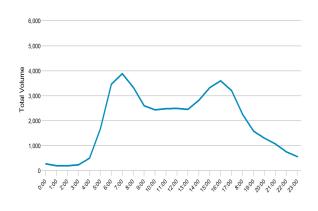
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#### **DIRECTIONAL VOLUMES—FREEWAYS**

I-94 at Barker Road EB



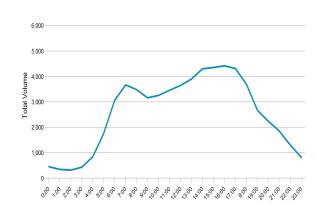
No Data Available



I-41 at Greenfield Avenue NB

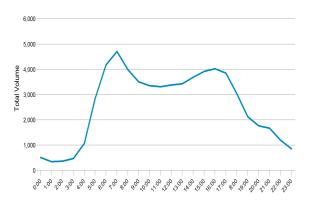
I-41 at Greenfield Avenue SB

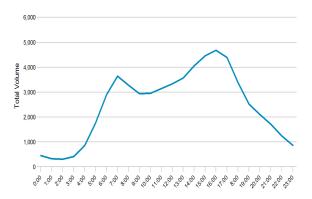




I-41 at Cleveland Avenue NB

I-41 at Cleveland Avenue SB



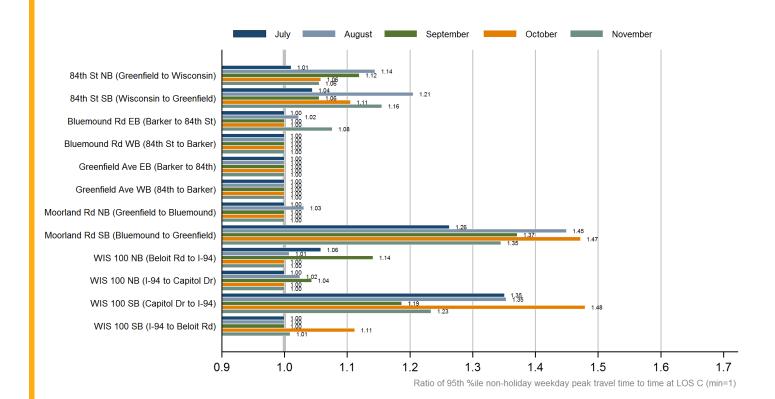


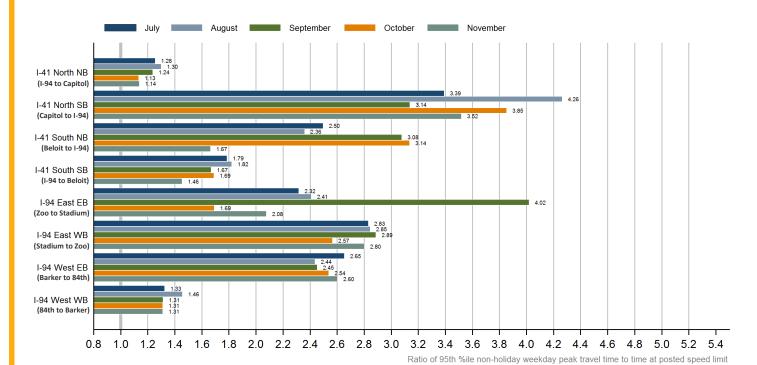
Notes: Volumes are an average of weekday volumes (Monday through Friday). No holidays.



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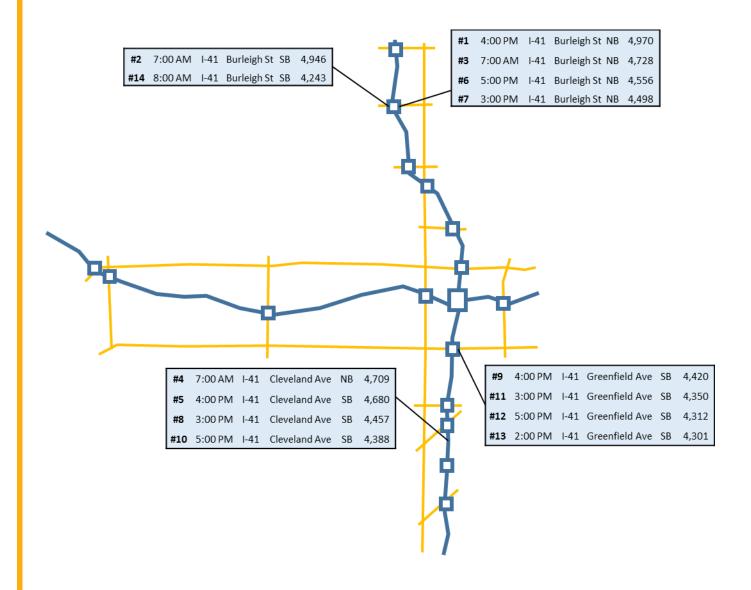
## **PLANNING TIME INDEX (PTI)**







#### TOP TRAFFIC VOLUME HOURS—FREEWAYS



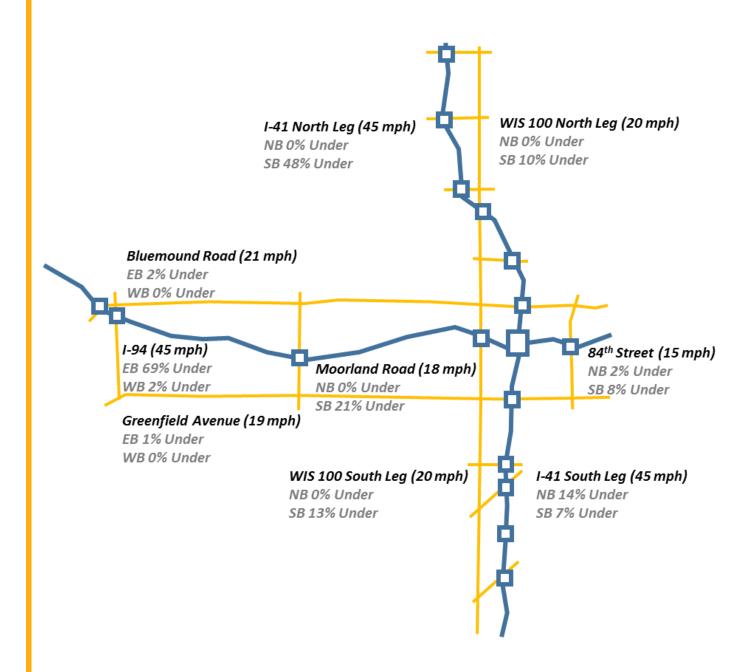
Notes: Volume hours averaged over the month.

Weekdays, Non-holidays





#### PERCENT UNDER A GIVEN SPEED THRESHOLD



Notes: Percentages are peak hours [AM (6am to 9am) and PM (3pm to 6pm)] under the speed threshold noted next to each corridor. Weekdays, Non-holidays

Arterial street actual speed compared to LOS C speed which is 50% of the posted speed limit. The freeway actual speed is compared to 45 mph.





## **DEVICE FAILURE IMPACT**



DEVICE	LOCATION	DAYS OUT	AADT	TOTAL VEHICLES	IMPACT
CCTV-40-0036	I-41 @ Bluemound Rd	2	140,000	280,000	Medium
CCTV-40-0041	I-41 @ Burleigh St	2	140,000	280,000	Medium
CCTV-40-0112	WIS 100 @ Greenfield Ave	7	30,300	212,100	Medium
CCTV-40-0196	WIS 100 @ Oklahoma Ave	6	30,200	181,200	Medium
CCTV-67-0005	I-94 @ Sunny Slope Rd	2	125,000	250,000	Medium
CCTV-67-0097	I-94 @ Elm Grove Rd	2	125,000	250,000	Medium
DMS-67-0121	Greenfield Ave EB @ W of Moorland Rd	1	27,700	27,700	Low
RM-40-0044	I-41 SB @ National Ave	1	111,000	111,000	Medium
RM-40-0045	I-41 SB @ Beloit Rd	1	111,000	111,000	Medium
RM-40-0104	I-41 NB @ North Ave	1	140,000	140,000	Medium

LOW <100,000

MEDIUM 100,000 TO 500,000

HIGH >500,000

Notes: Device Failure Impact tracks the status/health of an actual field device. This measure monitors the infrastructural investment and may assist with prioritizing response.

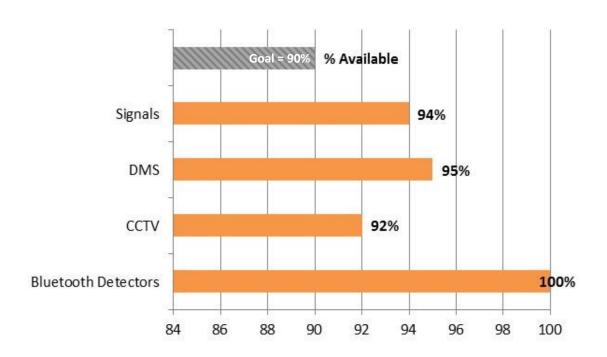
#### MAJOR COMMUNICATION FAILURE IMPACT

None for the month of November.



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### **DEVICE COMMUNICATION AVAILABILITY**



#### **Measure Summary**

I-94 @ 121st St WIS 100 @ Beloit Rd I-41 @ Bluemound Rd

#### Signals Offline

WIS 100 @ Burleigh St Bluemound Rd @ Barker Rd Bluemound Rd @ County JJ

#### **Bluetooth Outages**

Notes: Device Communication Availability tracks the status/health of communication infrastructure that services field devices. Unmanaged signals are offline due to construction or maintenance activities.



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# **Appendix**

# Mobility

Performance Measure	Previous Month	Current Month	Target	Target Met	Last 3 Months	Trend*
CORRIDOR AVERAGE TRAVEL TIME (MIN:SEC)				J		
Bluemound Road—84th Street to Barker Road (EB) AM	15:19	15:17	22:00	1	15:15	
Bluemound Road—84th Street to Barker Road (EB) PM	13:39	13:42	22:00	<b>√</b>	13:43	
Bluemound Road—84th Street to Barker Road (WB) AM	16:21	16:19	22:00	1	16:15	
Bluemound Road—84th Street to Barker Road (WB) PM	13:33	13:43	22:00	<b>√</b>	13:41	
I-94—84th Street to Barker Road (EB) AM	10:43	10:21	10:08		10:31	
I-94—84th Street to Barker Road (EB) PM	12:47	12:15	10:08		12:14	1
I-94—84th Street to Barker Road (WB) AM	08:07	08:19	10:08	1	08:10	
I-94—84th Street to Barker Road (WB) PM	08:23	08:24	10:08	✓	08:23	
Greenfield Avenue—84th Street to Barker Road (EB) AM	14:55	15:14	23:41	1	14:58	
Greenfield Avenue—84th Street to Barker Road (EB) PM	14:31	15:01	23:41	1	14:47	1
Greenfield Avenue—84th Street to Barker Road (WB) AM		15:40	23:41	<b>√</b>	15:23	
Greenfield Avenue—84th Street to Barker Road (WB) PM	15:03	16:01	23:41	<b>√</b>	15:24	ı
WIS 100 NORTH LEG—Capitol Drive to I-94 (NB) AM	09:22	09:15	12:12	✓	09:19	,
WIS 100 NORTH LEG—Capitol Drive to I-94 (NB) PM	08:03	07:54	12:12	1	08:01	
WIS 100 NORTH LEG—Capitol Drive to I-94 (SB) AM	09:00	08:42	12:12	1	08:52	
WIS 100 NORTH LEG—Capitol Drive to I-94 (SB) PM	08:53	08:36	12:12	✓	08:47	
I-41—Capitol Drive to I-94 (NB) AM	05:21	05:15	06:24	✓	05:17	
I-41—Capitol Drive to I-94 (NB) PM	05:19	05:19	06:24	✓	05:21	
I-41—Capitol Drive to I-94 (SB) AM	05:32	05:31	06:24	✓	05:51	
I-41—Capitol Drive to I-94 (SB) PM	13:49	11:58	06:24		12:13	1
WIS 100 SOUTH LEG—I-94 to Beloit Road (NB) AM	08:57	08:06	11:36	✓	8:33	1
WIS 100 SOUTH LEG—I-94 to Beloit Road (NB) PM	07:42	07:04	11:36	✓	07:31	1
WIS 100 SOUTH LEG—I-94 to Beloit Road (SB) AM	08:02	08:26	11:36	✓	08:26	
WIS 100 SOUTH LEG—I-94 to Beloit Road (SB) PM	08:01	07:30	11:36	1	07:53	1
I-41—I-94 to Beloit Road (NB) AM	07:09	03:46	04:24	<b>√</b>	05:54	1
I-41—I-94 to Beloit Road (NB) PM	06:00	03:21	04:24	1	05:01	1
I-41—I-94 to Beloit Road (SB) AM		03:08	04:24	1	03:13	_
I-41—I-94 to Beloit Road (SB) PM	03:54	03:38	04:24	<b>√</b>	03:47	
Moorland Road (NB) AM		02:58	04:36	1	02:59	
Moorland Road (NB) PM		02:34	04:36	1	02:36	
Moorland Road (SB) AM		03:27	04:36	<b>√</b>	03:26	
Moorland Road (SB) PM		02:57	04:36	✓	03:03	
84th Street (NB) AM		04:40	06:12	✓	04:40	
84th Street (NB) PM	03:57	03:59	06:12	✓	04:00	
84th Street (SB) AM	04:52	05:07	06:12	1	04:51	
84th Street (SB) PM	03:50	03:55	06:12	✓	03:54	

<sup>\*</sup>Trend = difference of 30 seconds or more from previous to current month



Performance and Trends - November 2016

# Mobility

Performance Measure	Previous Month	Current Month	Target	Target Met	Last 3 Months	Trend*
	i i cvious ivioiitii	January Month	raryet	i ai get met	Last o Months	TTOTA
CORRIDOR AVERAGE SPEED (MPH)	20	20	24	,	20	
Bluemound Road—84th Street to Barker Road (EB) AM	_	30	21	1	30	
Bluemound Road—84th Street to Barker Road (EB) PM		33	21	1	33	
Bluemound Road—84th Street to Barker Road (WB) AM		28	21	1	28	
Bluemound Road—84th Street to Barker Road (WB) PM		34	21	<b>V</b>	34	
I-94—84th Street to Barker Road (EB) AM	43	46	45	<b>✓</b>	44	
I-94—84th Street to Barker Road (EB) PM	36	39	45		38	
I-94—84th Street to Barker Road (WB) AM	57	56	45	<b>√</b>	57	
I-94—84th Street to Barker Road (WB) PM	55	55	45	<b>√</b>	55	
Greenfield Avenue—84th Street to Barker Road (EB) AM	30	30	19	✓	30	
Greenfield Avenue—84th Street to Barker Road (EB) PM	31	30	19	✓	31	
Greenfield Avenue—84th Street to Barker Road (WB) AM	29	29	19	✓	29	
Greenfield Avenue—84th Street to Barker Road (WB) PM	30	29	19	✓	30	
WIS 100 NORTH LEG—Capitol Drive to I-94 (NB) AM	27	27	20	✓	27	
WIS 100 NORTH LEG—Capitol Drive to I-94 (NB) PM	31	32	20	1	31	
WIS 100 NORTH LEG—Capitol Drive to I-94 (SB) AM	28	29	20	✓	28	
WIS 100 NORTH LEG—Capitol Drive to I-94 (SB) PM	28	29	20	1	28	
I-41—Capitol Drive to I-94 (NB) AM	54	55	45	✓	55	
I-41—Capitol Drive to I-94 (NB) PM	55	55	45	✓	55	
I-41—Capitol Drive to I-94 (SB) AM	53	53	45	✓	50	
I-41—Capitol Drive to I-94 (SB) PM	22	26	45		32	1
WIS 100 SOUTH LEG—I-94 to Beloit Road (NB) AM	28	28	20	✓	27	
WIS 100 SOUTH LEG—I-94 to Beloit Road (NB) PM	29	32	20	✓	30	
WIS 100 SOUTH LEG—I-94 to Beloit Road (SB) AM	28	27	20	✓	27	
WIS 100 SOUTH LEG—I-94 to Beloit Road (SB) PM	30	30	20	✓	29	
I-41—I-94 to Beloit Road (NB) AM	25	48	45	✓	33	1
I-41—I-94 to Beloit Road (NB) PM	31	53	45	✓	39	1
I-41—I-94 to Beloit Road (SB) AM	54	57	45	✓	55	
I-41—I-94 to Beloit Road (SB) PM	46	50	45	✓	48	1
Moorland Road (NB) AM	26	26	18	1	26	
Moorland Road (NB) PM	31	31	18	✓	30	
Moorland Road (SB) AM	23	23	18	<b>√</b>	23	
Moorland Road (SB) PM	25	27	18	✓	26	
84th Street (NB) AM	19	20	15	✓	20	
84th Street (NB) PM		23	15	✓	23	
84th Street (SB) AM	19	18	15	1	19	
84th Street (SB) PM	24	24	15	✓	24	

<sup>\*</sup>Trend = difference of 4 mph or more from previous to current month



Performance and Trends - November 2016

# Mobility

Performance Measure	Previous Month	Current Month	Target	Target Met	Last 3 Months	Trend*
DIRECTIONAL VOLUMES OF FREEWAYS (ADT)				Jg.		
I-94 & 84th Street WB	56,942	54,319			55,970	
I-94 & 84th Street EB	53,980	n/a			53,504	
I-94 & WIS 100 WB	57,288	58,880			58,329	
I-94 & WIS 100 EB	69,286	65,299			67,539	1
I-94 & Moorland Road WB	50,078	50,939			50,073	
I-94 & Moorland Road EB	41,854	42,184			41,548	
I-94 & Barker Road EB	45,516	46,881			45,329	
I-94 & Barker Road WB	n/a	n/a			n/a	
I-41 & Bluemound Road NB	n/a	n/a			n/a	
I-41 & Bluemound Road SB	n/a	n/a			n/a	
I-41 & Burleigh Street NB	62,449	62,840			62,645	
I-41 & Burleigh Street SB	59,483	58,655			60,647	
I-41 & Watertown Plank Road NB	54,183	57,849			55,382	1
I-41 & Watertown Plank Road SB	61,121	61,827			61,817	
I-41 & Greenfield Avenue NB	n/a	n/a			n/a	
I-41 & Greenfield Avenue SB	61,607	61,809			60,004	
I-41 & Oklahoma Avenue NB	53,830	61,655			56,230	1
I-41 & Oklahoma Avenue SB	61,291	59,292			59,696	
*Trend = > 3000 ADT difference from previous to cur	rent month					

# Reliability

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Performance Measure	Previous Month	Current Month	Target	Target Met	Last 3 Months	Trend*
PERCENT UNDER A GIVEN SPEED THRESHOLD (%)			<50%			
Bluemound Road (EB)	2%	2%		✓	2%	
Bluemound Road (WB)	0%	0%		✓	0%	
Greenfield Avenue (EB)	0%	1%		✓	1%	
Greenfield Avenue (WB)	0%	0%		✓	0%	
Moorland Road (NB)	0%	0%		✓	0%	
Moorland Road (SB)	29%	21%		✓	24%	1
84th Street (NB)	1%	2%		1	2%	
84th Street (SB)	4%	8%		1	4%	
WIS 100 North Leg (NB)	0%	0%		✓	1%	
WIS 100 North Leg (SB)	21%	10%		✓	12%	1
WIS 100 South Leg (NB)	16%	0%		✓	15%	1
WIS 100 South Leg (SB)	2%	13%		1	6%	1
I-94 (EB)	74%	69%			72%	1
I-94 (WB)	0%	2%		✓	1%	
I-41 North Leg (NB)	2%	0%		✓	2%	
I-41 North Leg (SB)	50%	48%		1	48%	
I-41 South Leg (NB)	95%	14%		✓	69%	1
I-41 South Leg (SB)	19%	7%		1	13%	1